

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A process for operating a yellow flame burner suitable for heating homes comprising: burning a Fischer-Tropsch derived fuel in the burner to obtain flue gases and a flame wherein the Fischer-Tropsch derived fuel comprises a Fischer-Tropsch product which contains more than 80 wt% of iso and normal paraffins, less than 1 wt% aromatics, less than 5 ppm sulfur and less than 1 ppm nitrogen and wherein the density of the Fischer-Tropsch derived product is between 0.65 and 0.8 g/cm³ at 15 °C.
2. (Previously Presented) The process of claim 1, wherein lambda is between 1 and 1.6
3. (Previously Presented) The process of claim 2, wherein lambda is between 1.05 and 1.2.
4. (Currently Amended) The process of ~~claims~~ claim 1, further comprising heating water by means of indirect heat exchange with the flue ~~gasses~~ gases in a boiler.
5. (Currently Amended) The process of ~~claims~~ claim 1, further comprising heating a space directly with the flue ~~gasses~~ gases.
6. (Previously Presented) The process of claim 1, wherein the Fischer-Tropsch derived fuel boils for more than 90 wt% between 160 °C and 400 °C.
7. (Previously Presented) The process of claim 6, wherein the Fischer-Tropsch derived fuel boils for more than 90 wt% between 160 °C and 370 °C.
8. (Cancelled)
9. (Previously Presented) The process of claim 1, wherein the Fischer-Tropsch derived fuel comprises more than 80 wt% of a Fischer-Tropsch product.
10. (Previously Presented) The process of claim 9, wherein the Fischer-Tropsch derived fuel comprises a mineral oil fraction and/or a non-mineral oil fraction.

11. (Currently Amended) The process ~~of claim-claims~~ claim 1 further comprising starting the yellow flame burner more than three times per hour.
12. (Previously Presented) The process of claim 1, wherein the Fischer-Tropsch derived fuel comprises one or more additives.
13. (Previously Presented) The process of claim 12, wherein the Fischer-Tropsch derived fuel comprises an odor marker.
14. (Previously Presented) The process of claim 12, wherein the Fischer-Tropsch derived fuel comprises a color marker.
15. (Currently Amended) The process of ~~claims~~ claim 12, wherein an additive is present which changes the color of the flame such that is detectable by a yellow flame detector.
16. (Previously Presented) The process of claim 1, wherein a blue flame detector is used to detect the yellow flame burner flame.
17. (Previously Presented) The process of claim 16, further comprising detecting the flame of the yellow flame burner with an ionization type flame detector and wherein the fuel does not contain a metal-based combustion improver.